

## Wein's Law Practice Questions

1. A star has a surface temperature of 10000 K. At what wavelength will this star emit most of its light?
2. What is the temperature of a star which has maximum energy emitted at the wavelength of 550 nm?
3. If a star has a surface temperature of 6174 K, determine the wavelength at which it emits its maximum amount of energy.
4. What is the wavelength at which the human body radiates maximum energy (hint  $K = C + 273.15$ )?

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